



MINE (MN) WARFARE PRE-BRIEF

LCDR HANLEY

MW/WP INSPECTION TEAM

- **LEAD CS INSPECTOR:**
 - TBD
- **MN/WP INSPECTOR:**
 - LCDR JIM HANLEY
- **FTSCLANT/OTHERS:**
 - TBD

CONDUCT OF INSPECTION

- INSURV only assesses the material condition of equipment!
 - Training and administrative programs are not inspected.
- No live ordnance will be used during demonstrations.
- No hidden agendas!
 - Inspection standards are based on PMS, Tech Manuals, NSTM's and other official documentation (Class Advisories, WFMN's)
- Inspectors do not operate/serve as second person for situations requiring “two man rule.”

CONDUCT OF INSPECTION

- Snapshot in time assessment!
 - All deficiencies are reported, even if corrected by the end of inspection.
 - Corrected deficiencies will be documented as such (time permitting).
 - Do not defer conduct of inspection to facilitate corrective repairs.
- Ensure no “interfering” evolutions (i.e. Repair and/or troubleshooting tech assists) are scheduled during INSURV.
- SAFETY IS PARAMOUNT
 - All safety devices must be operational in order to conduct equipment demonstrations.

REPORTING OF DEFICIENCIES

- Part 1. Deficiencies likely to:
 - Cause the ship to be unseaworthy.
 - Substantially reduce the ability of the ship to carry out assigned missions.
 - Substantially reduce the effectiveness of personnel/essential material.
 - Cause serious injury to personnel or serious damage to material.
- Part 2. Less significant deficiencies not considered as critical as Part 1:
 - Examples: Alarm failures, corrosion, lighting deficiencies.

REPORTING OF DEFICIENCIES

- Part 3. Demo's or deficiencies which are not in compliance with current technical authority.
- Reporting of deficiencies:
 - Deficiencies will be given to DEPT HD via diskette (ship.out).
 - Quick look message will list most significant deficiencies.
 - Final report provided 1 - 2 months after inspection.

INSURV INSPECTION GUIDES

- Developed by INSURV, with assistance from FTSC, and the ISEA.
- Designed for use during INSURV Material Inspections by qualified inspectors.
- Available on the INTERNET and can be used by ships force to help prepare for an inspection.
- Inspection Guides are based on standard PMS, technical manuals, Class Advisories, but may include specific items of interest (high failure rate items).

MW EQUIPMENT

- ✿ AN/SQQ-32 Sonar (Including OK-520 Winch)
- ✿ AN/SSN-2 Precise Integrated Navigation System (PINS)
- ✿ AN/SYQ-13, Navigation System
- ✿ AN/SLQ-48 Mine Neutralization System & Vehicle Handling System
- ✿ Multipurpose Crane (MPC), including Cross Connect with the Boat Crane
- ✿ Battle Space Profiler (BSP) & Bathythermograph (XBT)
- ✿ Bow Thrusters
- ✿ Light Load Propulsion Motors (LLPM)
- ✿ MMGTG

MW EQUIPMENT (CONT'D)

- ✿ Hydraulic Power Units (HPU)
- ✿ Magnetic Sweep / Wave Form Generators
- ✿ Magnetic Cable including Reel/Winch Assembly
- ✿ Acoustic Power Cable including Reel/Winch Assembly
- ✿ Mk 4 & Mk 6 (TB 25/27) Acoustic Devices
- ✿ MP-1, MP-2, and MP-3 Equipment
- ✿ Mechanical Mine Sweep Gear (Inspect & Inventory)
- ✿ Deck Cranes used for Mine Warfare Equipment.
- ✿ AN/SQQ-94 On-board Trainer (OBT)
- ✿ Destructor Handling Equipment

MINE WARFARE DEMO

Ref: INSURVINST 4730.23B, dtd 17 Apr 03

- ✱ Mine Sweeping using a combination magnetic and acoustic sweep (6H configuration)
- ✱ Minehunting and neutralization using MP3 (INERT)

COMMON DEFICIENCIES

- Lack of PMS/Poor PMS accomplishment
- Missing equipment, parts & tools
- Incorrect equipment / materials
- Incorrect wire rope
- Critical gauges out of calibration/wrong periodicity
- Weight tests expired
- Hydraulic leaks, unserviceable hydraulic hoses
- Corrosion
- Sweep gear incorrectly rigged
- Instrumented Sheave out of calibration

WE (WP)

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BRIEF



WP EQUIPMENT

- ⊗ Ready Service Lockers (RSL & PYRO)
- ⊗ Magazines/MHE
- ⊗ Magazine Sprinklers
- ⊗ Alarms (F, FH, FD, Intrusion)
- ⊗ Armory
- ⊗ Small Arms (.50 Cal/M60/MK-19/MK-44)
- ⊗ Force Protection Equipment
 - ⊗ **AEL 2-320024502, DTD 05 JUN 03 (AT/FP EQUIPMENT)**
 - ⊗ **AEL 2-320024560, DTD 22 JUL 02 (VAPOR TRACER HHED)**
- ⊗ Cease Fire Alarms

MAGAZINE SPRINKLERS

- Inspected IAW S9522-AA-HBK-010 and MRC 5221/Q-1.
 - Exceptions: No flush, no strainer removal, no orifice plate removal required.
 - Ensure adequate manpower to man local/remote boards.
 - Recommend rehearse prior to the inspection!
 - **This includes IC alarm support (CCS, QD'S & Pilot House).**
 - Tag-outs are completed prior to arrival, where applicable.
 - Have the following ready to go:
 - MRC listed tools.
 - Thermos bottle with hot water (F alarm testing).
 - Paper clips (FD/FH alarm testing).
 - Test castings (one casting - one magazine; no exceptions)!

MISCELANEOUS INFO

- Required Documentation for the Inspector:
 - Have copies of the following available for the inspector:
 - 3 part list broken down as follows: Magazine spaces, Ready Service/Pyro Lockers, and work spaces for all Weapons spaces.
 - CSMP for weapons work centers.
 - 8 O'clock reports.
 - List of active CASREP's, TSO's.

MISCELANEOUS INFO

- Have following centrally located and readily available for the inspector :
 - Latest C5RA report.
 - Smooth Log
 - Dates of last 60M check on magazine sprinkler control valves.
 - Weight Test Certification data readily available for:
 - Wire Ropes, pendants, etc.
 - Cranes
 - Ammo Handling Equipment

(Must be able to identify data with equipment)

MISCELANEOUS INFO

- Have AT/FP equipment layed out in one central location.
- .50 cal/M60/MK-19 & MK-44 weapons must be mounted (As if manned and ready).
- Other areas assessed:
 - Cleanliness, preservation and stowage.

COMMON DEFICIENCIES

- Lack of PMS/Poor PMS accomplishment
- AA&E Stowage & Marking
- Inoperable PRP valves, and alarms
- Missing equipment, parts & tools
- Critical gauges out of calibration/wrong periodicity
- Firing cutouts not set/incorrect
- Safety precautions/hot gun procedures missing
- Contents placards not posted
- Incomplete AT/FP equipment inventories/wrong AEL
- TACVEST MODs not installed/floatation removed

CONTACT INFO

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